

DERWENT-ACC-NO: 1984-043850
DERWENT-WEEK: 198408
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TITLE: System uses press wheel to deform edges of slots - in laminar rotor of rotating machine to form overhangs that hold winding in place

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PRIORITY-DATA: 1982DE-3230296 (August 14, 1982)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 3230296 A	February 16, 1984	N/A	006	N/A
DE 3230296 C	June 4, 1992	N/A	003	H02K 003/487

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
DE 3230296A	N/A	1982DE-3230296	August 14, 1982
DE 3230296C	N/A	1982DE-3230296	August 14, 1982

INT-CL_(IPC): H02K003/48; H02K003/487

ABSTRACTED-PUB-NO: DE 3230296A

BASIC-ABSTRACT: The system secures the winding of a rotor of a rotating machine that has its armature packet fixed to a drive shaft. The packet has radial slots at its periphery into which the rotor winding fits. The edges of each slot are deformed towards the centre line along the slot. A device at the periphery of the packet is used to form a circular slot. The packet material pressed away by this process is converted into retaining lips that project over the edges of the slots and partly over the tops of the winding in the slots.

The circular slot is made using a wheel against which the packet is rolled. The advantage lies in the simple and cheap way in which the winding is prevented from being ejected from its slots by centrifugal force. The number of slots is irrelevant.

ABSTRACTED-PUB-NO: DE 3230296C

EQUIVALENT-ABSTRACTS: The electrical machine rotor winding is inserted in radial slots (5) provided around the periphery of an armature laminations packet (3) attached to the drive shaft (2). The radial slots (5) are evenly

spaced concentric to the rotor longitudinal axis with an annular groove (9) around the cylindrical surface of the laminations packet (3) at its axial centre, the rotor winding slots (5) extending to either side of it. The rotor winding is in 2 layers and held in the rotor winding slots (5) via retaining noses provided by the annular groove (9).

ADVANTAGE - Simplified retention of rotor winding.

CHOSEN-DRAWING: Dwg.0/2

TITLE-TERMS:

SYSTEM PRESS WHEEL DEFORM EDGE SLOT LAMINA ROTOR ROTATING
MACHINE FORM OVERHANG
HOLD WIND PLACE

DERWENT-CLASS: V06 X11

EPI-CODES: V06-M08; X11-J02C;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1984-033307

L Number	Hits	Search Text	DB	Time stamp
1	628	("310/214").CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/09/25 14:48
2	0	6242835.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/09/25 12:13
3	33	("0911713" "1034069" "2648788" "4616151" "4700098" "4829206" "4847526" "4876473" "4896066" "5705874" "5801436" "5986377").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/09/25 12:13
4	0	6008563.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/09/25 12:35
5	15	("1608314" "4015156" "4496293" "4761581" "5763978").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/09/25 12:35
6	9	((("4146809") or ("4893042") or ("5864193"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/09/25 15:42
7	1069	h02k003/48.ipc.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/09/25 15:43
8	933	h02k003/48.ipc. not 310/214.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/09/25 15:43
9	55	(h02k003/48.ipc. not 310/214.ccls.) and press	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/09/25 16:00
10	2	de-3230296-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/09/25 16:02

11	677	("310/233").CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/09/25 17:37
-	226	((EBIHARA near1 JIRO) or (SHIBAYAMA near1 KENICHI) or (NIIMI near1 MASAMI) or (INA near1 OSAMU)).in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/09/25 08:09
-	75	((EBIHARA near1 JIRO) or (SHIBAYAMA near1 KENICHI) or (NIIMI near1 MASAMI) or (INA near1 OSAMU)).in.) and armature	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/09/25 12:06